OIPE

RAW SEQUENCE LISTING   DATE: 06/11/2002
PATENT APPLICATION: US/10/079,136   TIME: 14:18:14

        Input Set : A:\PTO.VSK.txt
        Output Set: N:\CRF3\06112002\J079136.raw

ENTERED

```
 3 <110> APPLICANT: Stewart, Graham
 4         O'Gaora, Peadar
 5         Young, Douglas
 7 <120> TITLE OF INVENTION: Methods and Compositions for Therapeutic Intervention in
Infectious
 8         Disease
10 <130> FILE REFERENCE: 19626-0211 (45454-270653)
12 <140> CURRENT APPLICATION NUMBER: US 10/079,136
13 <141> CURRENT FILING DATE: 2002-06-04
15 <150> PRIOR APPLICATION NUMBER: US 60/269,801
16 <151> PRIOR FILING DATE: 2001-02-20
18 <150> PRIOR APPLICATION NUMBER: US 60/294,170
19 <151> PRIOR FILING DATE: 2001-05-29
21 <160> NUMBER OF SEQ ID NOS: 25
23 <170> SOFTWARE: PatentIn version 3.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 21
27 <212> TYPE: DNA
28 <213> ORGANISM: Mycobacterium tuberculosis
30 <400> SEQUENCE: 1
31 cttgagcggg gtgcactcat c                                          21
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 21
36 <212> TYPE: DNA
37 <213> ORGANISM: Mycobacterium tuberculosis
39 <400> SEQUENCE: 2
40 gttgagtgca tcaggctcag c                                          21
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 21
45 <212> TYPE: DNA
46 <213> ORGANISM: Mycobacterium tuberculosis
48 <220> FEATURE:
49 <221> NAME/KEY: misc_feature
50 <222> LOCATION: (8)..(14)
51 <223> OTHER INFORMATION: any "n" = any nucleotide
54 <400> SEQUENCE: 3
55 cttgagtnnn nnnnactcaa g                                          21
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 28
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Synthetic primer
66 <400> SEQUENCE: 4
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/079,136

DATE: 06/11/2002
TIME: 14:18:14

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\06112002\J079136.raw

```
67  cgggatcccct gttcagtcag cacaccct                              28
70  <210> SEQ ID NO: 5
71  <211> LENGTH: 28
72  <212> TYPE: DNA
73  <213> ORGANISM: Artificial Sequence
75  <220> FEATURE:
76  <223> OTHER INFORMATION: Synthetic primer
78  <400> SEQUENCE: 5
79  gctctagatg tggccgacga gactccca                               28
82  <210> SEQ ID NO: 6
83  <211> LENGTH: 28
84  <212> TYPE: DNA
85  <213> ORGANISM: Artificial Sequence
87  <220> FEATURE:
88  <223> OTHER INFORMATION: Synthetic primer
90  <400> SEQUENCE: 6
91  gaagatctat gaacgcgcac ctgctgca                               28
94  <210> SEQ ID NO: 7
95  <211> LENGTH: 28
96  <212> TYPE: DNA
97  <213> ORGANISM: Artificial Sequence
99  <220> FEATURE:
100 <223> OTHER INFORMATION: Synthetic primer
102 <400> SEQUENCE: 7
103 gaagatctat atccacaatc cgctcggt                               28
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 40
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Synthetic nucleotide
114 <400> SEQUENCE: 8
115 gctcagtaag ttgagtgcat caggctcagc tctgaattga                  40
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 40
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Synthetic nucleotide
126 <400> SEQUENCE: 9
127 gtcaattcag agctgagcct gatgcactca acttactgag                  40
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 27
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Synthetic primer
138 <400> SEQUENCE: 10
139 ggactagtcg ttgtggacgc ggaggtg                                27
```

RAW SEQUENCE LISTING   DATE: 06/11/2002
PATENT APPLICATION: US/10/079,136   TIME: 14:18:14

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\06112002\J079136.raw

```
142 <210> SEQ ID NO: 11
143 <211> LENGTH: 28
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Synthetic primer
150 <400> SEQUENCE: 11
151 gctctagacc ccgtcctttg ggttcttc                             28
154 <210> SEQ ID NO: 12
155 <211> LENGTH: 27
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Synthetic primer
162 <400> SEQUENCE: 12
163 ggactagtca ccgccctggt cgtctgg                              27
166 <210> SEQ ID NO: 13
167 <211> LENGTH: 27
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Synthetic primer
174 <400> SEQUENCE: 13
175 gctctagatc agtggcaccg tcttggc                              27
178 <210> SEQ ID NO: 14
179 <211> LENGTH: 18
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Synthetic primer
186 <400> SEQUENCE: 14
187 cctcctgaat atgtagag                                        18
190 <210> SEQ ID NO: 15
191 <211> LENGTH: 21
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Synthetic primer
198 <400> SEQUENCE: 15
199 tcggtcaagc tggcggactg a                                    21
202 <210> SEQ ID NO: 16
203 <211> LENGTH: 20
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Synthetic primer
210 <400> SEQUENCE: 16
211 agccatggtg aatcctcctg                                      20
214 <210> SEQ ID NO: 17
```

```
215 <211> LENGTH: 27
216 <212> TYPE: DNA
217 <213> ORGANISM: Bacillus subtilis
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <222> LOCATION: (10)..(18)
222 <223> OTHER INFORMATION: any "n" = any nucleotide
225 <400> SEQUENCE: 17
226 ttagcactcn nnnnnnnnga gtgctaa                             27
229 <210> SEQ ID NO: 18
230 <211> LENGTH: 37
231 <212> TYPE: DNA
232 <213> ORGANISM: Mycobacterium sp.
234 <400> SEQUENCE: 18
235 aggtggaact taagcgtggt cgactcaggt tcttggt                  37
238 <210> SEQ ID NO: 19
239 <211> LENGTH: 37
240 <212> TYPE: DNA
241 <213> ORGANISM: Mycobacterium sp.
243 <400> SEQUENCE: 19
244 ctcagtaagt tgagtgcatc aggctcagct ctgaatt                  37
247 <210> SEQ ID NO: 20
248 <211> LENGTH: 37
249 <212> TYPE: DNA
250 <213> ORGANISM: Mycobacterium sp.
252 <400> SEQUENCE: 20
253 gaggcaagct tgagcggggt gcactcatca tagtgca                  37
256 <210> SEQ ID NO: 21
257 <211> LENGTH: 37
258 <212> TYPE: DNA
259 <213> ORGANISM: Mycobacterium sp.
261 <400> SEQUENCE: 21
262 tgggtaaaat tgagcggaac agactcaaca ttgacgg                  37
265 <210> SEQ ID NO: 22
266 <211> LENGTH: 39
267 <212> TYPE: DNA
268 <213> ORGANISM: Mycobacterium sp.
270 <400> SEQUENCE: 22
271 gaataacgtt ggcactcgcg accggtgagt gctaggtcg               39
274 <210> SEQ ID NO: 23
275 <211> LENGTH: 39
276 <212> TYPE: DNA
277 <213> ORGANISM: Mycobacterium sp.
279 <400> SEQUENCE: 23
280 cggggcttct tgcactcggc ataggcgagt gctaagaat               39
283 <210> SEQ ID NO: 24
284 <211> LENGTH: 39
285 <212> TYPE: DNA
286 <213> ORGANISM: Mycobacterium sp.
```

RAW SEQUENCE LISTING   DATE: 06/11/2002
PATENT APPLICATION: US/10/079,136 TIME: 14:18:14

Input Set : **A:\PTO.VSK.txt**
Output Set: **N:\CRF3\06112002\J079136.raw**

```
288 <400> SEQUENCE: 24
289 tagcggttct agcacttgag acggtagagt gctaacgcc                    39
292 <210> SEQ ID NO: 25
293 <211> LENGTH: 39
294 <212> TYPE: DNA
295 <213> ORGANISM: Mycobacterium sp.
297 <400> SEQUENCE: 25
298 cttgagtgct agcactctca tgtatagagt gctagatgg                    39
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/11/2002
PATENT APPLICATION: US/10/079,136   TIME: 14:18:15

Input Set : **A:\PTO.VSK.txt**
Output Set: **N:\CRF3\06112002\J079136.raw**

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 8,9,10,11,12,13,14
Seq#:17; N Pos. 10,11,12,13,14,15,16,17,18